

STATEMENT OF WORK No. 5**KDOR Channel Modernization**

This Statement of Work Number 5 ("Statement of Work" or "SOW") is issued pursuant to the Contract ID 000000000000000042792 dated as of February 15, 2017 (the "Agreement") between the State of Kansas ("State," "KDOR" or "Client") and CGI Technologies and Solutions Inc. ("CGI" or "Contractor"). Except as otherwise expressly specified herein, this Statement of Work incorporates the terms and conditions of the Agreement as if the Agreement were fully set forth in the text of this Statement of Work.

1. Effective Date of this Statement of Work.

This Statement of Work is effective as of May 3, 2018 ("SOW Effective Date") and will remain in effect through December 31, 2019 ("SOW Expiration Date"), unless the SOW is terminated before the SOW Expiration Date in accordance with the terms of the Agreement or this Statement of Work.

2. Scope of Work.

This Statement of Work includes the Channel Modernization project. The services, deliverables, schedule of performance, roles and responsibilities, compensation, definitions, assumptions, and other particulars concerning the scope of work are specified in detail in Exhibit A to this Statement of Work.

3. Compensation.

This Section 3 specifies the compensation, invoicing and payment terms applicable to the services performed pursuant to the Scope of Work.

Exhibit A – XI Compensation and Payment Terms.

4. Statement of Work Managers.

The Statement of Work Managers are:

<u>CGI</u> <u>Curt Hensler</u> <u>Director Consulting Services</u>	<u>Client</u> <u>Jeff Scott</u> <u>Project Director</u>
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5. Order of Precedence

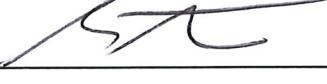
In the event of a conflict between and among the terms and conditions of the Agreement, this Statement of Work exclusive of exhibits, the Scopes of Work attached to this Statement of Work as Exhibit A the following order of precedence shall apply, from greatest to least precedence:

1. Form DA146a
2. The Agreement and written amendments thereto;
3. This Statement of Work; and

4. Contractor's written offer.

This Statement of Work is entered into this 3rd day of May, 2018 by and between the State of Kansas (State) and CGI Technologies and Solutions Inc. (Contractor).

CGI Technologies and Solutions Inc. (Contractor)

By: 

Printed Name: George Schwartztrauber

Title: Vice President Consulting Services

Kansas Department of Revenue (State)

By: 

Printed Name: Sam Williams

Title: Secretary of Revenue

Exhibit A to Statement of Work No. 5 Channel Modernization and Transition

I. Introduction.

This Exhibit A (Channel Modernization) sets forth in detail the scope of work and responsibilities of the parties with respect to implementing the Kansas Channel Modernization Project ("Project").

The Kansas Department of Revenue (KDOR) and CGI Technologies and Solutions Inc. (CGI) have agreed to undertake a project to implement an upgrade of KDOR channel applications and related business operations in order to improve the efficiency and effectiveness of KDOR tax forms processing.

The scope of this Exhibit A is outlined as follows:

- Modernize the KDOR's Legacy Channel applications to a current software technology;
 - Transition of the Modernized Channel applications to ongoing support under the KDOR Technical Services Contract (Contract ID 44559 – Technical Services Agreement dated February 19, 2018)
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II. Definitions.

Capitalized terms used herein and not defined shall have the meaning ascribed to them in the Agreement. Other capitalized terms used herein shall have the meaning set forth below or elsewhere in this Exhibit A.

The following definitions shall apply in this Exhibit A:

- a. "ATP" or "Astra Tax Processing" – refers to KDOR's legacy integrated tax processing system.
- b. "Executive Steering Committee" or "ESC" means the executive level meetings established as part of this Agreement which govern this Agreement.
- c. "Legacy Channel" means the existing KDOR Captiva and Fairfax paper tax form and check processing applications.
- d. "Lockbox" means the KDOR Lockbox vendor responsible for processing mail, scanning documents and checks and depositing funds received in KDOR bank accounts.
- e. "Modernized Channel" means the modernized Legacy Channel application based on current and supported forms capture and check processing software.
- f. "Project" means the Services identified in this Exhibit A.
- g. "Stage" or "Stages" means a period of the Project that has a defined beginning and ending point, is based on key dependencies and has a defined entry and exit criteria that builds upon the work and experience of the previous phase. Phases are used to organize the overall Project at a macro level.
- h. "Statement of Work No. 3" or "SOW No. 3" means the Statement of Work No. 3 under this Agreement for collections modernization.
- i. "Transition" refers to the activities defined in Section V1 2.
- j. "Technical Services Agreement" or "TSA" means Contract ID 44559 – Technical Services Agreement dated February 19, 2018.

III. General Responsibilities.

A. Shared Responsibilities

Below is a list of shared general responsibilities under this Exhibit A:

1. KDOR and CGI will continue the Executive Steering Committee ("ESC") meetings for purposes of providing executive oversight for the Project and making executive level decisions necessary to preserve the Project schedule and direction.
2. CGI and KDOR will jointly participate in Executive Steering Committee meetings.
3. CGI and KDOR will respond to and resolve all issues within timeframes necessary to achieve the agreed upon Project Plan, which will be updated throughout the Project as required.
4. KDOR and CGI will reasonably comply with the assumptions in this Exhibit A to avoid schedule delays or increased costs of performance of the Project. Any unreasonable delays or increased costs, should they occur, will be handled through the Change Order process under the Agreement. If the parties fail to agree to the terms of a Change Order, the parties will initiate the informal dispute resolution pursuant to the Agreement. The parties will mutually agree upon any proposed changes.
5. KDOR and CGI will collaborate to define the approach for each initiative by attending meetings and completing critical activities and action items.
6. KDOR and CGI will partner in defining the approach for each initiative, adhering to the design principle of providing the highest return with a speedy development and low cost.

B. CGI Responsibilities

Below is a list of CGI's general responsibilities under this Exhibit A:

1. Provide a named Project Manager to serve as CGI's single point of contact for the State throughout the duration of this project. The Project Manager will be devoted to the project at a sufficient level to perform the mutually agreed tasks.
2. As part of the General System Design deliverable defined in Section IX, CGI and KDOR will mutually agree on how many different systems will be needed to support KDOR's business requirements. CGI will install and configure up to three (3) environments; one (1) production and the remaining two (2) for non-production.
3. CGI will provide staff consistent with the plans detailed in this Exhibit A, and sufficient to produce the Deliverables described in this Exhibit A. A prospective staff model and roles are provided in Section VIII – Project Organization below.
4. CGI will provide project management and Channel modernization and transition services and expertise to monitor and execute against this Statement of Work.
5. CGI will produce weekly status reports to actively monitor project activities, progress, risks and issues.

C. KDOR Responsibilities

Below is a list of KDOR's general responsibilities under this Exhibit A:

1. Provide a named Project Manager to serve as the State's single point of contact for CGI throughout the duration of the project, and to coordinate KDOR and other 3rd party vendor activities. The Project Manager will be devoted to the project at a sufficient level to perform the mutually agreed tasks.
2. KDOR will review all Deliverables identified in Section IX within the timeframes and subject to the approval process and criteria provided in Section 10 of the Agreement, or as otherwise mutually agreed upon by the parties.

3. Prior to completion of transition under the Technical Services Agreement, design, develop and test changes to interfaces to any external systems currently leveraged by Channel whose use will need to continue after deployment of Modernized Channel applications.
4. Manage organizational communications, including any inter-agency Memoranda of Understanding (MOUs) necessary, with any outside parties necessary to facilitate these changes to ensure that the project schedule is not impacted.
5. Coordinate the integration testing with any outside parties requiring technical data from KDOR, or providing data to KDOR to facilitate testing.
6. Prior to completion of transition under the Technical Services Agreement, KDOR will be accountable for producing any data needed from KDOR systems, and transmitting data to required third parties.
7. KDOR will be accountable for the receipt of in-bound data from third parties, and the processing necessary to bring that data in to any necessary KDOR managed system.
8. KDOR will provide administrative support for the ongoing requirements of the Project, including:
 - i. On-site workspace for CGI personnel;
 - ii. Internet connectivity, as needed
 - iii. Printer access;
 - iv. Copying;
 - v. Equipment and supplies for all Project-related document reproduction and printing services;
 - vi. Routine office supplies;
 - vii. Telephone and voicemail equipment;
 - viii. Access to KDOR network infrastructure, email, Internet connectivity and file servers for Project-related tasks; subject to the confidentiality and security requirements of KDOR.
9. KDOR will provide CGI staff access to the workspace and resources outside of normal business hours as agreed to by the parties.
10. KDOR will provide facilities for Project Team meetings. Conference room facilities will be provided to Project resources, with sufficient scheduling access and availability to support standing and ad hoc Project meetings. To support Project needs, the primary meeting rooms will be equipped with a speakerphone, projector and white boards.
11. KDOR will procure and configure server and network infrastructure necessary to support the hosting of KDOR solutions identified within this Exhibit A in the KDOR hosting location based on the sizing recommendations in Attachment 1 – Channel Volume Specifications.
12. KDOR will provide temporary environments to support the project startup prior to the establishment of the hosted environments.
13. KDOR will manage the Lockbox vendor and the associated Lockbox vendor scope to be delivered on schedule for each phase of the Channel Modernization project.

IV. High-Level Project Roadmap.

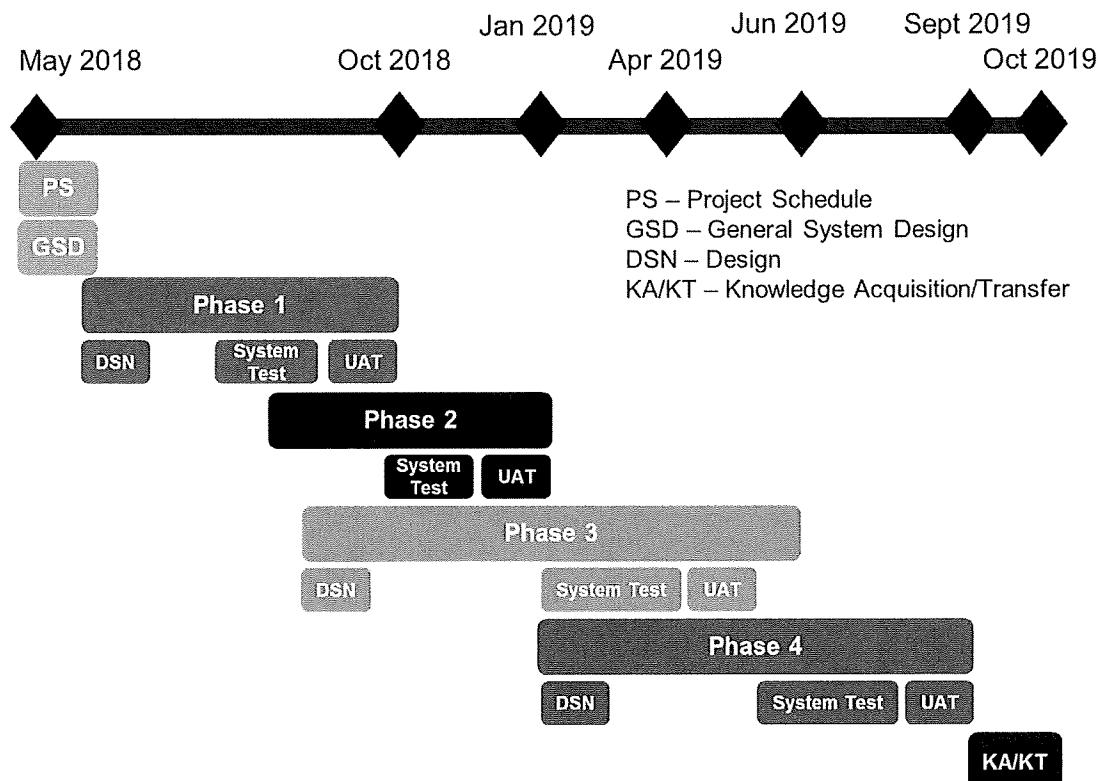
The Channel Modernization Project anticipates an 18 month implementation timeframe, concluding with a transition of application maintenance and operations pursuant to Section VI 2 Transition Approach and Post-Transition Services.

Delivery is planned to be executed in a 4 phase deployment to production as follows;

1. Phase 1 – Pilot: Individual Income
2. Phase 2 – 2018 Implementation of Individual Income
3. Phase 3 – Business Income
4. Phase 4 – All other tax types

The forms, vouchers and correspondence are detailed in Attachment 3 – KDOR Forms and Vouchers. The implementation schedule is described below in Exhibit 1.

Exhibit 1 Project Schedule



The following key milestone dates for the project schedule:

- October 1, 2018 – Pilot Software Deliverables ready and deployed to production.
- January 1, 2019 – Phase 2 Software Deliverables ready and deployed to production.

V. Requirements.

The following are the high level requirements for the Channel Modernization project:

1. The Modernized Channel applications will follow the Legacy Channel applications process flow, forms processing rules, and application interfaces except when changes are required to accommodate the KDOR Lockbox vendor processes.
 2. The scope of the Modernized Channel application includes the KDOR forms and vouchers included in Attachment 3 – KDOR Forms and Vouchers. For forms which have annual versions, scope will include 7 years of converted forms.
 3. The Modernized Channel application will treat images identified by the Lockbox vendor as the document type the Lockbox Vendor identifies them as: envelope or check. For all other images they will be identified only if they contain a form ID or a barcode and classified to the corresponding document type. All other images that do not fit into the aforementioned categories will be classified to the document type of correspondence.
 4. The Modernized Channel application will follow the form transaction sequence detailed in Attachment 4 – KDOR Transactions and Ordering. All supporting documentation and correspondence will follow identified forms.
 5. The Modernized Channel application will include the in scope 30 Tax Credit forms referenced in Attachment 4 – KDOR Transactions and Ordering. KDOR will be required to publish new forms with Form IDs or 3 of 9 barcodes. These forms will not be processed to extract data, rather, they will be ordered in the proper sequence within the transaction.
 6. The Modernized Channel application will provide the capability for the user to manually re-order or delete images within the transaction.
 7. The Modernized Channel application will provide the capability to sort and filter exception queues so that they can be processed based on changing priorities.
 8. The Modernized Channel application will provide the capability to search for transactions in process. The ability to locate transactions will depend on the amount of data present in the system and what metadata is associated with the transaction during processing.
 9. The Modernized Channel application will provide the ability to print a transaction or pages and page ranges in the transaction.
 10. The Modernized Channel application will provide the capability to correct data captured through forms processing, without having to retype the entire field.
 11. The Modernized Channel application will position where data needs to be re-keyed or entered without having users being required to tab through fields from the top of the form to the item to be rekeyed or entered.
 12. The Modernized Channel application will be able to export data to the existing FileNet Image Services repository as well as captured tax metadata to ATP.
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VI. Scope of Work.

The scope of the project includes the design, development, testing, and transition tasks associated with the Modernization of the Channel applications to support tax form and check processing functionality processed by KDOR for taxation.

1. Channel Upgrade

CGI will undertake the design and development tasks necessary to modernize the KDOR Channel applications as follows:

- A. The Modernized Channel applications will be configured to receive and process tax forms, checks, vouchers and correspondence processed by the KDOR lockbox vendor and at KDOR locations.
- B. The Modernized Channel applications will be configured to process the tax and vouchers as described in Attachment 3 – KDOR Forms and Vouchers.
- C. The Modernized Channel applications will be prepared to process Individual Income tax forms and vouchers for the October 2018 pilot as specified in Attachment 3 – KDOR Forms and Vouchers.
- D. Channel will be integrated with KDOR security model using Active Directory.

2. Transition Approach and Post-Transition Services

The on-going maintenance of the Modernized Channel applications will be provided as part of the Technical Services Agreement.

Once the Phase 4 Modernized Channel applications have been put into production, the responsibility for maintaining and managing the applications will be transitioned pursuant to the Technical Services Agreement. The Transition is expected to take 30 days and will follow the processes and quality gates described in TSA Schedule 2.3 Transition In to facilitate an orderly and complete transition and close out of this engagement.

VII. Roles and Responsibilities.

This Section describes the responsibilities of CGI and KDOR to implement the Modernized Channel requirements described in this Statement of Work.

A. CGI Responsibilities

CGI is responsible for performing the following Channel Modernization tasks in accordance with this Statement of Work:

1. Develop project management artifacts and manage the project.
2. Design, installation, development and system testing of all tax forms, vouchers and correspondence within the defined scope.
3. Design, development and testing of all interfaces.
4. Design and development of reports similar to those referenced in Attachment 6 – Channel Reporting.
5. Conduct train-the-trainer sessions.
6. Transition on-going maintenance and operations responsibility to the CGI Technical Services team.

B. KDOR Responsibilities

KDOR is responsible for performing the following upgrade project tasks for the Channel Modernization implementation:

Provide the required resources and their associated allocations to assist CGI in the design, development, and testing of the Channel Modernization project, and to facilitate knowledge transfer. Table 1 below

indicates the minimum required resources, the required allocations, the purpose, and the skills sets needed. Note that the required allocations vary during the Project depending on the Stage of the Project and also that some resources are only needed during certain Stages of the Project.

Table 1 KDOR Resources

KDOR Resource	Required Resources	Required Allocation	Purpose	Duration	Skill Set
KDOR Project Director	1	25%	Executive Oversight	For the duration of the Project	Executive Oversight single point of contact for resolution of escalated issues and decision-making
KDOR Project Manager	1	100%	Project Management	For the duration of the Project	Project Management
KDOR Functional Subject Matter Experts	Multiple Individuals	25-50% depending on Stage of the project	Functional Design Forms and vouchers Interface Design Channel Expertise Testing Support	For the duration of the Project	Knowledge of a specific channel process area Able to make design and make configuration decisions Knowledge of the KDOR legacy applications and interfaces <ul style="list-style-type: none"> • Channel • ATP
KDOR Trainers	1	100%	Training Delivery, Coordination, and Creation of Training Materials	During Training and the months leading up to Training	Understand how Modernized Channel is used Able to provide training to the other users
KDOR User Acceptance Testers	Multiple	100%	User Acceptance Testing	During Testing and the months leading up to UAT	Able to create and assist in the UAT

C. CGI/KDOR Joint Responsibilities

1. Project Management will be a joint effort between KDOR and CGI, with CGI having primary responsibility for the creation and tracking of Deliverables as defined in this Exhibit A. Specific responsibilities for each Deliverable are provided in the relevant section of Exhibit A. The joint Project Managers will share responsibility for Project Management Deliverables, such as risk logs, issue logs and change orders.
2. A Project Leadership Team will be established to include the CGI and KDOR Project Managers along with team leaders and other KDOR staff as deemed necessary and mutually agreed upon by the Project Managers.

VIII. Project Organization.

A. Project Management

The joint CGI/KDOR Project Management team will employ a comprehensive project management methodology and supporting toolset. During the Project initiation, CGI and KDOR will review the previously documented CGI Project Management Plan archived in KDOR's project SharePoint location in order to refine and finalize it for the Channel Modernization Project.

B. Roles and Responsibilities

CGI will provide a full time Project Manager and a part-time Engagement Manager for executive oversight of the Project and regular interaction with key KDOR executives in an Executive Steering Committee structure.

KDOR will provide a full time Project Manager to the Project to ensure that decisions relative to Project scope and schedule are made on time and within dates established in the Project Plan. KDOR will also provide key team leaders as deemed necessary by the KDOR Project Manager over areas determined to be primarily KDOR responsibility, e.g., delivery of end user training.

The CGI Modernize Channel project team will be comprised of a mixture of locally based, traveling and on-shore delivery based team and will be utilized in a full time and part time manner as needed.

Additional detail around anticipated CGI Project Team Roles is included in Table 2 below:

Table 2 CGI Project Team Roles

CGI Resource	Required Resources	Purpose	Duration	Skill Set
CGI Engagement Manager	1	Account Oversight	For the duration of the project	Executive Oversight single point of contact for day to day decision-making
CGI Project Manager	1	Project Management	For the duration of the project	Project Management

CGI Resource	Required Resources	Purpose	Duration	Skill Set
Forms Capture SME	1	Provide expert guidance on channel architecture and implementation leadership	For the duration of the project	Leadership experience with forms capture software
Forms Developer	3	Implementation of forms capture business rules and forms processing	For the duration of the project	Experience with forms capture software
Integration Developer	2	Develop interfaces between Channel and KDOR applications	For the duration of the project	System integration expertise
Business Analyst/Tester	3	Documentation & analysis of functional needs Workflow/Configuration Support Test support & coordination	For the duration of the project	Business Analysis Testing Documentation

IX. Deliverables.

This Section provides a list of the Deliverables that will be completed during the course of the Channel Modernization Project. The updated planned completion months will be included in the Upgrade Project Schedule Deliverable. Table 3 below provides a listing of these Deliverables.

Table 3 Deliverables

Deliverable No.	Deliverable	Planned Duration (Days)	Planned Completion (Month)	CGI Responsibility Summary	KDOR Responsibility Summary
1	Project Startup	30	Month 1	Execute project initiation activities.	None
2	Project Schedule	30	Month 1	Create the Project Schedule Define dependencies on CGI and KDOR tasks that are on the critical path	Review and approve deliverable
3	General System Design	30	Month 1	Define the general system design for Modernized Channel Document and deliver the list of interfaces and the approach to implementing them based on a CGI provided template incorporating prior experience.	Support CGI in understanding the interface requirements Review and approve the interface/integration strategy Serve as the primary contact to work with the external agencies and data partners to address identified issues Review and approve deliverable
4	Phase 1 Design	15	Month 2	Define the design for the Pilot (Individual Income) • Forms • Exception Queues/Processing • Reporting • Integration	Provide SME support Review and approve deliverable
5	Phase 1 Code Complete	90	Month 4	Pilot code is completed and is ready for system test	Validate unit test results and confirm that Pilot software is ready for system testing.

Deliverable No.	Deliverable	Planned Duration (Days)	Planned Completion (Month)	CGI Responsibility Summary	KDOR Responsibility Summary
6	Phase 3 Design	15	Month 5	Define the design for the Phase 3 (Business Income) • Forms • Exception Queues/Processing • Reporting • Integration	Provide SME support Review and approve deliverable
7	Phase 1 Go-Live	60	Month 6	Phase 1 Modernized Channel application is in production use.	Validate that the Phase 1 Modernized Channel Application is in production
8	Phase 2 Code Complete	60	Month 8	Phase 2 code is completed and is ready for system test • Include 2018 Individual • Changes from Phase 1 feedback	Validate unit test results and confirm that Phase 2 software is ready for system testing
9	Phase 2 Go-Live	30	Month 9	Phase 2 Modernized Channel application is in production use.	Validate that the Phase 2 Modernized Channel Application is in production
10	Phase 3 Code Complete	90	Month 12	Phase 3 code is completed and is ready for system test.	Validate unit test results and confirm that Phase 3 software is ready for system testing.
11	Phase 4 Design	15	Month 13	Define the design for the Phase 4 (Other Taxes) • Forms • Exception Queues/Processing • Reporting • Integration	Provide SME support Review and approve deliverable
12	Phase 3 Go-Live	90	Month 14	Phase 3 Modernized Channel application is in production use.	Validate that the Phase 3 Modernized Channel Application is in production
13	Phase 4 Code Complete	90	Month 15	Phase 4 code is completed and is ready for system test.	Validate unit test results and confirm that Phase 4 software is ready for system testing.
14	Phase 4 Go-Live	90	Month 17	Phase 4 Modernized Channel application is in production use.	Validate that the Phase 4 Modernized Channel Application is in production

Deliverable No.	Deliverable	Planned Duration (Days)		CGI Responsibility Summary		KDOR Responsibility Summary
		Planned Completion (Month)	Planned Completion (Month)	Transition maintenance to Technical Services Agreement	Validate the transition is complete by participating in the quality gate approval process	
15	KA/KT Complete	30	Month 18			

X. Post Go-Live Support

The on-going maintenance of the Modernized Channel applications will be provided as part of the Technical Services Agreement (TSA).

XI. Compensation and Payment Terms.

By entering into this Statement of Work, KDOR agrees to compensate CGI for performance of the scope of work defined in this Exhibit A in accordance with the terms and conditions specified in this Section XI as well as Section 3, Compensation, of the referenced Services Agreement.

A. Payment Schedule

Services payments will be made in accordance with the following schedule.

Deliverable No	Deliverable Name	Planned Invoice Month	Invoice Amount
1	Project Startup	1	\$274,301.29
2	Project Schedule	2	\$37,166.05
3	General System Design	2	\$222,611.03
4	Phase 1 Design	3	\$164,497.92
5	Phase 1 Code Complete	5	\$373,558.42
6	Phase 3 Design	6	\$47,762.37
7	Phase 1 Go Live	7	\$200,018.35
8	Phase 2 Code Complete	9	\$204,091.52
9	Phase 2 Go Live	10	\$204,091.52
10	Phase 3 Code Complete	13	\$383,334.25
11	Phase 4 Design	14	\$44,560.24
12	Phase 3 Go Live	15	\$282,255.62
13	Phase 4 Code Complete	16	\$252,098.99
14	Phase 4 Go Live	18	\$296,232.13
15	KA/KT Complete	19	\$70,423.31
Total			\$3,057,003

B. Pricing Assumptions

1. The scope of the Modernized Channel applications will be based on the business rules and processes currently defined in the Legacy Channel application which will be treated as a reference implementation. Changes will be made to accommodate KDOR's lockbox vendor process.
2. Estimates are based on the estimated document volumes documented in Attachment 1 – Channel Usage/Volume Metrics
3. Estimates for converting Legacy Channel forms to the Modernized Channel platform is based on the documents enumerated in Attachment 3 – KDOR Tax Forms and Vouchers.
4. Estimates for Reporting are based on the Legacy Channel application reports referenced in Attachment 6 – Channel Reports.
5. Estimates are based on the creation of up to 8 exception queues plus required additional queues to support the KDOR Lockbox process.
6. Legacy Channel documentation will be made available upon Project initiation.
7. The Modernized Channel applications will utilize existing test data, forms, scenarios and scripts. Estimates are based on changing existing Legacy Channel test artifacts, only to accommodate KDOR's lockbox vendor processes.
8. KDOR is responsible for hosting infrastructure and all KDOR and 3rd party software provided under this SOW No. 5, including but not limited to payment, licensing, maintenance administration, and

- Service Level Agreements. Recommended infrastructure environments are provided in Attachment 2 – Channel Environment Specifications.
9. CGI will provide subject matter expertise in the event that KDOR wants to work with third-party tax preparation vendors (e.g. TurboTax by Intuit and HR Block, etc.) for them to add barcodes to tax documents.
 10. All functionality currently handled by the Fairfax Imaging solution will be handled by KDOR's Lockbox Vendor, or an exception type can be created.
 11. The Legacy Channel application will not be supported by CGI under the Technical Services Agreement once this Statement of Work No. 5 is completed. Any need to support the Legacy Channel applications for other purposes outside of taxation will be the responsibility of KDOR.
 12. Forms that have annual versions will be implemented for the most current tax year plus 6 prior tax years (7 years in total).
 13. The parties recognize that the schedule, scope and success of the Channel Modernization project is dependent on the timeline of the transition to the KDOR Lockbox Vendor. Any delays or scope impacts caused by the KDOR Lockbox vendor will be handled through the existing Change Control and Change Request process under the Agreement.
 14. CGI agrees to include, if necessary due to omission from this SOW, seven (7) additional vouchers and five (5) additional forms of medium complexity such as the K-40PT at no additional cost.

C. Statement of Work No. 3 – Reduction in Scope

To allocate the funds needed to perform the services in this SOW No. 5, the scope of SOW No. 3 shall be reduced. Specifically, CGI will reduce onsite Steady State Support responsibilities. The parties agree:

1. The Steady State Support services referenced in SOW No. 3 Exhibit B Section V will be covered within the Technical Services Agreement scope of Services.
2. The Technical Services Agreement scope of work will not be adjusted when the KDOR legacy collections and compliance applications are retired.
3. Steady State Support in Section V (Pricing) of SOW No.3 shall be reduced from \$367,292 per quarter to \$266,295 per quarter.
4. This reduction in the scope of SOW No. 3 results in a cost reduction of \$100,997/quarter over 31 quarters, or \$3,130,895 total to KDOR which shall fund the services under this SOW No. 5, and a credit of \$2,384/quarter over 31 quarters to compensate KDOR for purchasing the non-production JBoss subscription and future 9 years of renewal.
5. KDOR and CGI acknowledge and agree that this SOW No. 5 does not require any additional costs or expenditures than were previously contemplated and approved for SOW No. 1 through 4 and contract numbers 42792 and 44559.

Attachment 1 – Channel Usage/Volume Metrics

Table 4 provides the volumes of the forms and documents that were used in sizing the modernized channel environments. The total numbers of pages is an estimate based on the number of forms and envelopes handled by the mail room.

Table 4 KDOR 2017 Tax Form and Document Volume

Fiscal Year Annual Totals	Doc	Forms	Total Forms	Total Pages	OCR Images
2017	Forms	263,235	410,793	913,408	913,408
2017	Voucher	616,235	616,223	616,156	
2017	Voucher Return	39,592	39,592	39,592	
2017	Total Vouchers	655,827	655,815	655,748	655,748
2017	Cash Transactions	7,548			
2017	Checks	644,771	655,815	1,311,630	
2017	SupDocs		835,325	4,570,827	4,570,827
2017	Envelopes		835,325	835,325	
2017	Total		3,213,563	8,286,938	6,139,983

Attachment 2 – Channel Environment Specifications

This attachment provides the specifications to host the Modernized Channel software based on the sizing requirements documented in Attachment 1. The following sections document the following:

1. The timing which each of the environments are available to CGI in order to execute this SOW without impact on project schedule.
2. The server specifications and 3rd party software required for each environment.
3. The amount of SAN storage estimated with the initial deployment of the environment and the total amount of SAN storage estimated to support KDOR's daily activity.

Environment Readiness

CGI has defined the requirements for each of the required environment to support the Modernized Channel implementation based on the sizing information provided in Attachment 1. Table 5 identifies the point in the project when each of the environments must be available to CGI in the KDOR hosting location.

Table 5 Environment Schedule

Environment	When Needed (1 st Business Day)
Test	Month 1
Production	Month 3
UAT	To be determined based on need

Server Specifications and 3rd Party Software

The following information defines the server specifications for each of the environments required to support the Modernized Channel. The following environments are defined:

- Test – Required system and integration test the Modernized Channel configuration
 - User Acceptance Test (UAT) – Required for KDOR staff to perform UAT prior to go-live cut over
 - Production – The Modernized Channel production environment
- The following information defines the server requirements and 3rd Party products required for each of these three (3) environments:

Test

The test environment is sized to support the testing activities of 1 simultaneous release of the Modernized Channel software. Table 6 defines the server hardware and operating (OS) specifications for the test environments.

Table 6 Test Server Environments

SVR DESCRIPTION	OS	# SERVERS	# CORES	GB RAM	TOTAL CORES	TOTAL RAM	OS STORAGE	SWAP STORAGE	DATA STORAGE	TOTAL SAN GB
Application Server SVR, MSSQL Server**	WIN	1	2	4	2	4	60	-	40	100
Rules Engine Server SVR	WIN	1	2	4	2	4	60	-	-	60

Production

The production environment is sized to support the KDOR live production activities based on Attachment 1. Table 7 defines the server hardware and operating (OS) specifications for the production environments.

Table 7 Production Server Environments

SVR DESCRIPTION	OS	# SERVERS	# CORES	GB RAM	TOTAL CORES	TOTAL RAM	OS STORAGE	SWAP STORAGE	DATA STORAGE	TOTAL SAN GB
Application Server SVR, MSSQL Server**	WIN	1	2	8	2	8	60	-	500*	560
Rules Engine Server SVR	WIN	4	4	16	16	64	60	-	-	180

User Acceptance Test (UAT)

The UAT environment is sized to support the KDOR UAT activities, to validate that the Modernized Channel released candidate is ready for production. Table 8 defines the server hardware and operating (OS) specifications for the UAT environments.

Table 8 UAT Server Environments

SVR DESCRIPTION	OS	# SERVERS	# CORES	GB RAM	TOTAL CORES	TOTAL RAM	OS STORAGE	SWAP STORAGE	DATA STORAGE	TOTAL SAN GB
Application Server	WIN	1	2	4	2	4	60	-	40	100

SVR, MSSQL Server**	WIN	1	2	4	2	4	60	-	-	60
Rules Engine Server SVR										

Attachment 3 - KDOR Forms and Vouchers

Attachment 3 describes the scope of the KDOR forms and vouchers included in this Statement of Work.

Phase 1 and 2 – Individual Income

Individual Income – Phase 1 Pilot

Form ID	Form Description	Doc Type	Source	Form Count	Images Per	Images	OCR Images
K-40	Individual Income Tax (K-40) Original and Amended	Form	MP/HP	49,186	2	98,372	98,372
K-40 Schedule S	Individual Income Tax Supplemental Schedule (Schedule S)	Form	MP/HP	24,593	3	73,779	73,779
K-40 Schedule CR	Individual Income Tax Credit Schedule	Form	MP	12,297	2	24,593	24,593
K-40V	Kansas Payment Voucher (K-40V)	Voucher	Flat	2,355	1	2,355	2,355
K-40V	Kansas Payment Voucher (K-40V)	Voucher	Software	53,026	1	53,026	53,026
K-40V	Kansas Payment Voucher (K-40V)	Voucher	IF	19	1	19	19
K-40V	Kansas Payment Voucher (K-40V)	Voucher	Inhouse	17,662	1	17,662	17,662
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Flat	1,461	1	1,461	1,461
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Preprinted	4,801	1	4,801	4,801
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Software	31,053	1	31,053	31,053
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Inhouse	440	1	440	440

Form ID	Form Description	Doc Type	Source	Form Count	Images Per	Images	OCR Images
K-CV	Kansas Consolidated Voucher for Income Tax primarily used for payment plans and audits	Voucher		9,408	1	9,408	9,408
K-CV	Kansas Consolidated Voucher for Income Tax primarily used for payment plans and audits	Voucher	Inhouse	-	1	-	-
K-VI	Generic Individual Income Voucher using KDOR Inhouse voucher application (rarely used)	Voucher	Inhouse	1	1	1	1
K-40H	Homestead Claim (K-40H)	Form	MP/HP	2,497	1	2,497	2,497
K-4OPT	Property Tax Relief Claim (K-4OPT) – 2015	Form	MP/HP	391	2	782	782
K-40VH	Homestead Individual Tax Payment Voucher created with KDOR inhouse application	Voucher	Inhouse	141	1	141	141
		Envelope		149,145	1	149,145	
		Checks		120,365	2	240,729	
		SupDoc		149,145	4	596,580	596,580
TOTAL				627,982		1,306,841	916,967

Individual Income – Full Annual Phase 2

Form ID	Form Description	DocType	Source	Form Count	Images Per Form	Total Images	OCR Images
K-40	Individual Income Tax (K-40) Original and Amended	Form	MP/HP	196,744	2	393,488	393,488
K-40 Schedule S	Individual Income Tax Supplemental Schedule (Schedule S)	Form	MP/HP	98,372	3	295,116	295,116

Form ID	Form Description	DocType	Source	Form Count	Images Per Form	Total Images	OCR Images
K-40 Schedule CR	Individual Income Tax Credit Schedule	Form	MP	49,186	2	98,372	98,372
K-40V	Kansas Payment Voucher (K-40V)	Voucher	Flat	9,419	1	9,419	9,419
K-40V	Kansas Payment Voucher (K-40V)	Voucher	Software	212,102	1	212,102	212,102
K-40V	Kansas Payment Voucher (K-40V)	Voucher	IF	76	1	76	76
K-40V	Kansas Payment Voucher (K-40V)	Voucher	Inhouse	70,648	1	70,648	70,648
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Flat	5,842	1	5,842	5,842
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Preprinted	19,202	1	19,202	19,202
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Software	124,211	1	124,211	124,211
K-40ES	Individual Estimated Income Tax Vouchers, Worksheet and Instructions (K-40ES)	Voucher	Inhouse	1,761	1	1,761	1,761
K-CV	Kansas Consolidated Voucher for Income Tax primarily used for payment plans and audits	Voucher		37,630	1	37,630	37,630
K-CV	Kansas Consolidated Voucher for Income Tax primarily used for payment plans and audits	Voucher	Inhouse		1		
K-VI	Generic Individual Income Voucher using KDOR Inhouse voucher application (rarely used)	Voucher	Inhouse	3	1	3	3
K-40H	Homestead Claim (K-40H)	Form	MP/HP	9,986	1	9,986	9,986
K-40PT	Property Tax Relief Claim (K-	Form	MP/HP	1,563	2	3,126	3,126

Form ID	Form Description	DocType	Source	Form Count	Images Per Form	Total Images	OCR Images
40PT) – 2015							
K-40VH	Homestead Individual Tax Payment Voucher created with KDOR inhouse application	Voucher	Inhouse	564	1	564	564
		Envelope		596,580	1	596,580	
		Checks		481,458	2	62,916	
		SupDoc		596,580	4	2,386,320	2,386,320
TOTAL				2,511,927		5,227,362	3,667,866

Phase 3 – Business Income

Corporate Income

Form ID	Form Description	DocType	Source	Form Count	Images Per Form	Images	OCR Images
K-120	Corporation Income Tax (K-120)	Form	MP/HP	12,250	2	24,500	24,500
K-120S	Partnership or S Corporation Income Tax Form and Instructions (K-120S)	Form	MP/HP	16,269	1	16,269	16,269
K-120EX	Expensing Deduction (K-120EX)	Form	MP/HP	451	9	4,059	4,059
K-120X	Amended Corporate Income Tax	Form	Flat	37	1	37	37
K-120V	Corporate Income Tax Payment Voucher (K-120V) – 2016	Voucher	Flat	263	1	263	263
K-120V	Corporate Income Tax Payment Voucher (K-120V) – 2016	Voucher	Software	4,730	1	4,730	4,730
K-120V	Corporate Income Tax Payment Voucher (K-120V) – 2016	Voucher	Inhouse	1,190	1	1,190	1,190
K-120ES	2017 Corporate Estimated Income Tax Vouchers, Worksheet and Instructions (K-	Voucher	Flat	489	1	489	489

K-120ES	120ES) - For fiscal year filers	Voucher	Preprinted	455	1			455
	2017 Corporate Estimated Income Tax Vouchers, Worksheet and Instructions (K-120ES) - For fiscal year filers							
K-120ES	2017 Corporate Estimated Income Tax Vouchers, Worksheet and Instructions (K-120ES) - For fiscal year filers	Voucher	Software	6,971	1	6,971		6,971
K-130	Privilege Tax (K-130) Form and Original and Amended Instructions	Form	MP/HP	476	2		952	
K-130X	Amended Privilege Tax	Form	HP	4	2	8		8
K-130V	Privilege Tax Payment Voucher (K-130V)	Voucher	Flat	12	1	12		12
K-130V	Privilege Tax Payment Voucher (K-130V)	Voucher	Software	144	1	144		144
K-130V	Privilege Tax Payment Voucher (K-130V)	Voucher	Inhouse	28	1	28		28
K-130ES	Privilege Estimated Tax Vouchers, Worksheet and Instructions (K-130ES)	Voucher	Flat	44	1	44		44
K-130ES	Privilege Estimated Tax Vouchers, Worksheet and Instructions (K-130ES)	Voucher	Preprinted	-	1	-		-
K-130ES	Privilege Estimated Tax Vouchers, Worksheet and Instructions (K-130ES)	Voucher	Software	626	1	626		626
K-CV	Kansas Consolidated Voucher for Business Tax primarily used for payment plans and audits	Voucher	Inhouse	-	1	-		-
K-CV	Kansas Consolidated Voucher for Business Tax primarily used for payment plans and audits	Voucher		20,653	1	20,653		20,653
		Envelope		47,290	1	47,290		

	Checks		35,605	2	71,210
	SupDoc		47,290	30	1,418,685
TOTAL			195,276		1,500,115

Fiduciary

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
K-41	Fiduciary Income Tax (K-41)	Form	MIP/HP	7,985	2	15,970	15,970
K-41ES	Fiduciary Estimated Voucher (K-41ES) – 2017	Voucher	Inhouse	18	1	18	18
K-41ES	Fiduciary Estimated Voucher (K-41ES) – 2017	Voucher	Web	17	1	17	17
K-41ES	Fiduciary Estimated Voucher (K-41ES) – 2017	Voucher	Vendor	160	1	160	160
K-41V	Fiduciary Income Tax Voucher (K-41V)	Voucher	Vendor	7,543	1	7,543	7,543
K-41V	Fiduciary Income Tax Voucher (K-41V)	Voucher		0	1,648	1	1,648
K-41V	Fiduciary Income Tax Voucher (K-41V)	Voucher	Inhouse	2,254	1	2,254	2,254
		Envelope		13,805	1	13,805	
		Checks		11,640	2	23,280	
		SupDoc		13,805	4	55,220	55,220
TOTAL				58,875		82,830	119,915

Phase 4 – Other Taxes

Sales Tax

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
CT-3A	Kansas Use Tax on Vehicle or Trailer Voucher	Voucher Return	Flat	386	1	386	386
CT-10U/CT10UV	Consumers' Compensating Use Tax Return and Voucher (CT-10U)	Voucher	Flat	2,464	1	2,464	2,464
CT-10U/CT10UV	Consumers' Compensating Use Tax Return and Voucher (CT-10U)	Form	Flat	1,722	4	6,888	6,888
CT-10U/CT10UV	Consumers' Compensating Use Tax Return and Voucher (CT-10U)	Voucher	Preprinted	3	1	3	3
CT-114	Vehicle Leases Retailers' Compensating Use Tax Return and Voucher(CT-114)	Form	Preprinted	60	4	240	240
CT-114V	Vehicle Leases Retailers' Compensating Use Tax Return and Voucher(CT-114)	Voucher	Flat	29	1	29	29
CT-114V	Vehicle Leases Retailers' Compensating Use Tax Return and Voucher(CT-114)	Voucher	Software	48	1	48	48
CT-9U	Retailers' Compensating Use Tax Return and Voucher (CT-9U)	Form	Flat	2,039	4	8,156	8,156
CT-9UV	Retailers' Compensating Use Tax Return and Voucher (CT-9U)	Voucher	Flat	1,919	1	1,919	1,919
CT-9UV	Retailers' Compensating Use Tax Return and Voucher (CT-9U)	Voucher	Preprinted	609	1	609	609
ST-8M	Retailers' Compensating Use Tax Return and Voucher (CT-9U)	Voucher	Software	10	1	10	10
ST-16	Retailers' Sales Tax Return (ST-16)	Form	Voucher Return	231	1	231	231
			Flat	6,333	1	6,333	6,333

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
ST-16	Retailers' Sales Tax Return (ST-16) Single Jurisdiction Filers Preprinted with customer information and mailed out to tax payers	Voucher Return	Preprinted	610	1	610	610
ST-16	Retailers' Sales Tax Return (ST-16) Single Jurisdiction Filers Handwritten with ICR fields and dropout ink	Voucher Return	Flat	5,707	1	5,707	5,707
ST-16	Retailers' Sales Tax Return (ST-16) Single Jurisdiction Filers created by tax payers using preapproved tax form software	Voucher Return	Software	127	1	127	127
ST-36	Kansas Retail Sales Tax Return	Form	MP/HP	5,646	5	28,230	28,230
ST-36V	Kansas Retail Sales Tax Voucher with handwritten ICR Fields and dropout ink	Voucher	Preprinted	76	1	76	76
ST-36V	Kansas Retail Sales Tax Voucher with handwritten ICR Fields and dropout ink	Voucher	Flat	15,081	1	15,081	15,081
ST-36V	Kansas Retail Sales Tax Voucher with handwritten ICR Fields and dropout ink	Voucher	Software	218	1	218	218
ST-36V	Retailers' Sales Tax Return (ST-36) Multiple Jurisdiction Filers/Prepaid Monthly Filers and Voucher (ST-36V)	Form		0	-	1	-
K-BCV	Consumer Comp Use Tax Voucher created using inhouse application	Voucher	Inhouse	556	1	556	556
K-BVR	Retailers Compensating Use Tax Voucher created using KDOR inhouse voucher application	Voucher	Inhouse	628	1	628	628
K-BVS	Retail Sales Tax Voucher Created	Voucher	Inhouse	25,740	1		25,740

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
	using KDOR Inhouse voucher application					25,740	
K-BVS-IF	Interfund Retail Sales Tax Voucher Created using KDOR Inhouse voucher application	Voucher	Inhouse	231	1	231	231
ST-TEL	Sales Tax TeleFile Booklet and Voucher (ST-TEL)	Voucher	Flat	10,602	1	10,602	10,602
ST-TEL	Sales Tax TeleFile Booklet and Voucher (ST-TEL)	Voucher	Software	3	1	3	3
		Envelope		52,073	1	52,073	
		Checks		65,484	2	130,968	
		SupDoc		52,073	4	208,290	208,290
TOTAL				250,913		506,662	323,621

Transient Guest

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
TG-1	Transient Guest Tax (TG-1)	Form		0	815	1	815
TG-V1	Transient Guest Tax Voucher(TG-V1)	Voucher	Inhouse	424	1	815	424
TG-V1	Transient Guest Tax Voucher(TG-V1)	Voucher		0	306	1	306
		Envelope		1,180	1	1,180	
		Checks		730	2	1,460	
		SupDoc		1,180	4	4,720	4,720
TOTAL				4,635		8,905	6,265

Franchise Tax

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
K-150	Franchise Tax Return	Form	Flat	8	2	16	16
K-150V	Franchise Tax Voucher created by customer using pre-approved tax form software	Voucher	Software	2	1	2	2
		Envelope		9	1	9	
		Checks		2	2	4	
		SupDoc		9	4	36	36
TOTAL				30		67	54

Withholding

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
KW-3	Annual Withholding Tax Return (KW-3)	Form	MP/HP	846	1	846	846
KW-3	Annual Withholding Tax Return (KW-3)	Voucher Return	Flat	9,450	1	9,450	9,450
KW-3	Annual Withholding Tax Return (KW-3)	Voucher Return	Booklet	84	1	84	84
KW-3	Annual Withholding Tax Return (KW-3)	Voucher Return	Software	35	1	35	35
KW-3	Annual Withholding Tax Return (KW-3)	Voucher Return	PayrollVendor	74	1	74	74
KW-5	Withholding Tax Deposit Report (KW-5)	Voucher Return	Flat	16,188	1	16,188	16,188
KW-5	Withholding Tax Deposit Report	Voucher Return	Booklet	392	1	392	392

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
	(KW-5)						
KW-5	Withholding Tax Deposit Report	Voucher Return	Software	641	1	641	641
KW-5	Withholding Tax Deposit Report	Voucher Return	PayrollVendor	1,448	1	1,448	1,448
KW-7	Non-Resident Owner Tax Return with handwritten ICT fields and dropout ink	Voucher Return	Flat	6	1	6	6
KW-7	Non-Resident Owner Tax Return created by customer using pre-approved tax form software	Voucher Return	Software	21	1	21	21
K-WV	Withholding Tax Voucher using KDOR Inhouse voucher application	Voucher	Inhouse	9,755	1	9,755	9,755
K-WV-IF	Intrafund Withholding Tax Voucher using KDOR Inhouse voucher application	Voucher	Inhouse	23	1	23	23
		Envelope		34,074	1	34,074	
		Checks		38,117	2	76,234	
		SupDoc		34,074	4	136,296	
TOTAL				135,450		285,567	175,259

Other

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
BINGO	Bingo Voucher	Voucher	Flat	226	1	226	226
CT-4LV		Form	Flat	1	1	1	1
IFTA	IFTA Voucher	Voucher	0	3,911	1	3,911	3,911

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
MISC	Miscellaneous Taxes	Voucher	Flat	4,533	1	4,533	4,533
CIGTOB	Cig Tob Voucher	Voucher	0	1,345	1	1,345	1,345
0	Generic voucher for processing Fiscal Checks. Vouchers only has Payment Amount to balance with checks. No customer data on voucher.	Voucher	0	8,081	1	8,081	8,081
LB-V	Liquor Bond Voucher	Voucher	0	67	0	-	-
LB-V-I	Liquor Bond Voucher	Voucher	Inhouse	-	0	-	-
LD-1	Liquor Drink Tax Return (LD-1)	Voucher Return	0	1,642	1	1,642	1,642
LD-1V	Liquor Drink Tax Voucher (LD-1V)	Voucher	0	185	1	185	185
LD-1V-I	Liquor Drink Tax Inhouse Voucher (LD-1V)	Voucher	Inhouse	1	1	1	1
LD-IFV	Liquor Drink Interfund Voucher (IFV)	Voucher	Inhouse	6	1	6	6
LE-3	Liquor Enforcement Tax Return (LE-3)	Voucher Return	0	2,550	1	2,550	2,550
LE-3V	Liquor Enforcement Tax Voucher (LE-3V)	Voucher	0	54	1	54	54
COMM	COMM	Correspondence	Inhouse	178	1	178	178
CORR	CORR	Correspondence	Flat	17,355	1	17,355	17,355
CREL	CREL	Correspondence	Flat	45,268	1	45,268	45,268
ENF	ENF	Correspondence	Flat	5,159	1	5,159	5,159
HEAR	HEAR	Correspondence	Flat	1,263	1	-	1,263

Form ID	Form Description	DocType	Source	Form Count	Images Per	Images	OCR Images
RCN	RCN	Correspondence	Flat	7,062	1	1,263	
UNK	UNK	Correspondence	Flat	84	1	7,062	7,062
		Envelope		90,315	1	84	
		Checks		22,779	2	90,315	
		SupDoc		90,315	4	45,558	
TOTAL				310,215		361,260	361,260
						603,872	467,999

Attachment 4 – KDOR Transactions and Ordering

The following tables describe the form transactions and the ordering of forms within the transactions that will be implemented.
K-130

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
COR	K130 SIDE1	Required as start or does not exist.	20ZZ	1700YY	Y	1	YYK130H
		Required second if start form is 1700YY. Not Optional.					
COR	K130 SIDE2	Optional.	20ZZ	1701YY			2
COR	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY			3
COR	K120EX Page2	Optional. Required if 1560YY exists	20YY	1561YY			4
COR	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY			3
COR	K120EX Vend PartA	Optional.	20YY	1565YY			4
COR	K120EX Vend PartA Supp	Optional.	20YY	1566YY			5

COR	K120EX Vend PartB	Optional.
COR	K120EX Vend PartB Supp	Optional.
COR	K120EX Vend PartC	Optional.
COR	K120EX Vend PartC Supp	Optional.

K-130 Vendor

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
COR	K130 VENDOR SIDE1	Required as start or does not exist. Required second if start form is 1720YY. Not Optional.	2022	1720YY	Y	1	YYK130M
COR	K130 VENDOR SIDE2	Optional.	2022	1721YY	2		
COR	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY	3		
COR	K120EX Page2	Optional. Required if 1560YY exists	20YY	1561YY	4		
COR	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY	3		
COR	K120EX Vend PartA	Optional.	20YY	1565YY	4		
COR	K120EX Vend PartA Supp	Optional.	20YY	1566YY	5		
COR	K120EX Vend PartB	Optional.	20YY	1567YY	6		
COR	K120EX Vend PartB Supp	Optional.	20YY	1568YY	7		
COR	K120EX Vend PartC	Optional.	20YY	1569YY	8		
COR	K120EX Vend PartC Supp	Optional.	20YY	1570YY	9		

K-120

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
COR	K120 SIDE1	Required as start or does not exist.	20YY	1500YY	Y	1	YYK120H

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
Required second if start form is 1500YY. Not							
COR	K120 SIDE2	Optional.	20YY	1501YY	2		
COR	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY	3		
COR	K120EX Page2	Optional. Required if 1560YYexists	20YY	1561YY	4		
COR	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY	3		
COR	K120EX Vend PartA	Optional.	20YY	1565YY	4		
COR	K120EX Vend PartA Supp	Optional.	20YY	1566YY	5		
COR	K120EX Vend PartB	Optional.	20YY	1567YY	6		
COR	K120EX Vend PartB Supp	Optional.	20YY	1568YY	7		
COR	K120EX Vend PartC	Optional.	20YY	1569YY	8		
COR	K120EX Vend PartC Supp	Optional.	20YY	1570YY	9		

K-120 Vendor

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
Required as start or does not exist.							
COR	K120 VENDOR SIDE1	Required second if start form is 1510YY. Not	20YY	1510YY	Y	1	YYK120M
COR	K120 VENDOR SIDE2	Optional.	20YY	1511YY	2		
COR	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY	3		
COR	K120EX Page2	Optional. Required if 1560YYexists	20YY	1561YY	4		
COR	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY	3		
COR	K120EX Vend PartA	Optional.	20YY	1565YY	4		
COR	K120EX Vend PartA Supp	Optional.	20YY	1566YY	5		
COR	K120EX Vend PartB	Optional.	20YY	1567YY	6		

COR	K120EX Vend PartB Supp	Optional.
COR	K120EX Vend PartC	Optional.
COR	K120EX Vend PartC Supp	Optional.

K-120S

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
COR	K120S VENDOR	Required as start or does not exist.	20YY	1540YY	Y	1	YYK120SM
COR	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY		2	
COR	K120EX Page2	Optional. Required if 1560YY exists	20YY	1561YY		3	
COR	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY		2	
COR	K120EX Vend PartA	Optional.	20YY	1565YY		3	
COR	K120EX Vend PartA Supp	Optional.	20YY	1566YY		4	
COR	K120EX Vend PartB	Optional.	20YY	1567YY		5	
COR	K120EX Vend PartB Supp	Optional.	20YY	1568YY		6	
COR	K120EX Vend PartC	Optional.	20YY	1569YY		7	
COR	K120EX Vend PartC Supp	Optional.	20YY	1570YY		8	

K-120S Vendor

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc Order	Transaction Type *
COR	K120S	Required as start or does not exist.	20YY	1550YY	Y	1 YYK120SH
COR	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY		2
COR	K120EX Page2	Optional. Required if 1560YY exists	20YY	1561YY		3
COR	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY		2
COR	K120EX Vend PartA	Optional.	20YY	1565YY		3
COR	K120EX Vend PartA Supp	Optional.	20YY	1566YY		4
COR	K120EX Vend PartB	Optional.	20YY	1567YY		5
COR	K120EX Vend PartB Supp	Optional.	20YY	1568YY		6
COR	K120EX Vend PartC	Optional.	20YY	1569YY		7
COR	K120EX Vend PartC Supp	Optional.	20YY	1570YY		8

K41

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc Order	Transaction Type *
FID	K-41 Side1	Required as start or does not exist.	20YY	1400YY	Y	1 YYK41H
		Required second if start form is 1400YY. Not Optional.				
FID	K-41 Side2	Optional. Required if 1561YY exists	20YY	1401YY		2
FID	K120EX Page1	Optional. Required if 1560YY exists	20YY	1560YY		3
FID	K120EX Page2	Optional. Required if 1560YY exists	20YY	1561YY		4
FID	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY -	20YY	1564YY		3

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
FID	K120EX Vend PartA	Optional.	20YY	1565YY	4		
FID	K120EX Vend PartA Supp	Optional.	20YY	1566YY	5		
FID	K120EX Vend PartB	Optional.	20YY	1567YY	6		
FID	K120EX Vend PartB Supp	Optional.	20YY	1568YY	7		
FID	K120EX Vend PartC	Optional.	20YY	1569YY	8		
FID	K120EX Vend PartC Supp	Optional.	20YY	1570YY	9		
		1570YY) exist.					

K-41 Vendor

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
FID	K-41 VENDOR	Required as start or does not exist.	20YY	1420YY	Y	1	YYK41M
FID	K120EX Page1	Optional. Required if 1561YY exists	20YY	1560YY	2		
FID	K120EX Page2	Optional. Required if 1560YY exists	20YY	1561YY	3		
FID	K120EX Vend Page1	Optional. Required if Vend EX forms (1565YY - 1570YY) exist.	20YY	1564YY	2		
FID	K120EX Vend PartA	Optional.	20YY	1565YY	3		
FID	K120EX Vend PartA Supp	Optional.	20YY	1566YY	4		
FID	K120EX Vend PartB	Optional.	20YY	1567YY	5		
FID	K120EX Vend PartB Supp	Optional.	20YY	1568YY	6		
FID	K120EX Vend PartC	Optional.	20YY	1569YY	7		
FID	K120EX Vend PartC Supp	Optional.	20YY	1570YY	8		

K-40

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
IND	K-40 Side 1	Required as start or does not exist. Required second if start form is 1145YY. Not Optional.	20YY	1145YY	Y	1	YYK40H
IND	K-40 Side 2	Optional only if start form is 1145YY or 1228YY.	20YY	1142YY		2	YYK40HSS
IND	SS Side1	Optional only if start form is 1145YY or 1228YY.	20YY	1143YY		3	YYK40HSS
IND	SS Side2	Optional only if start form is 1145YY or 1228YY. Optional. Required if 1561YY exists. Form 1143YY must be present.	20YY	1144YY		4	YYK40HSS
IND	K120EX Side 1	Optional. Required if 1560YY exists.	20YY	1560YY		5	
IND	K120EX Side 2	Optional. Required if 1561YY exists.	20YY	1561YY		6	

K-40 Vendor

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
IND	K-40 Vendor Side 1	Required as start or does not exist. Required second if start form is 1228YY. Not Optional.	20YY	1228YY	Y	1	YYK40M
IND	K-40 Vendor Side 2	Optional only if start form is 1145YY or 1228YY.	20YY	1229YY		2	YYK40MSS
IND	SS Vend Side 1	Optional only if start form is 1145YY or 1228YY.	20YY	1226YY		3	YYK40MSS
IND	SS Vend Side 2	Optional only if start form is 1145YY or 1228YY.	20YY	1227YY		4	YYK40MSS
IND	SS Vend Side 3	Optional only if start form is 1145YY or 1228YY.	20YY	1224YY		5	YYK40MSS

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
IND	SCR Vend Side 1	Optional only if start form is 1145YY or 1228YY. Required if 1151YY exists.	20YY	1150YY		6	
IND	SCR Vend Side 2	Optional only if start form is 1145YY or 1228YY. Required if 1150YY exists.	20YY	1151YY		7	
IND	K120EX Vend Side 1	Optional. Required if Vendor K120EX forms (1565YY - 1570YY) exist. Form 1226YY must be present.	20YY	1564YY		8	
IND	K120EX Vend PartA	Optional.	20YY	1565YY		9	
IND	K120EX Vend PartA Supp	Optional.	20YY	1566YY		10	
IND	K120EX Vend PartB	Optional.	20YY	1567YY		11	
IND	K120EX Vend PartB Supp	Optional.	20YY	1568YY		12	
IND	K120EX Vend PartC	Optional.	20YY	1569YY		13	
IND	K120EX Vend PartC Supp	Optional.	20YY	1570YY		14	

K-40H / K40PT

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
IND	K-40H	Required as start or does not exist.	20YY	1341YY	Y	1	YYHOMEH
IND	K-40H Vendor	Required as start or does not exist.	20YY	1350YY	Y	1	YYHOMEM
IND	K40PT Side 1	Required as start or does not exist.	20YY	1353YY	Y	1	YYK40PTH
IND	K40PT Side 2	Required second if start form is 1353YY. Not Optional.	20YY	1354YY		2	
IND	K40PT Vendor Side 1	Required as start or does not exist.	20YY	1351YY	Y	1	YYK40PTM

Sales Tax

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
IND	K4OPT Vendor Side 2	Required second if start form is 1351YY. Not Optional.	20YY	1352YY	2		

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
SLS	CT-9U SIDE1	Required as start or does not exist. Required second if start form is 430103 Not Optional.	NA	430103	Y	1	CT9UH
SLS	CT-9U PART3	Optional only if start form is 430103.	NA	430203		2	
SLS	CT-9U PART3 SUP	Required as start or does not exist.	NA	430303		3	
SLS	CT-9U SIDE1 VENDOR	Required second if start form is 422703. Not Optional.	NA	422703	Y	1	CT9UM
SLS	CT-9U PART3 VENDOR	Optional only if start form is 42703.	NA	422803		2	
SLS	CT-9U PART3 SUP VENDOR	Required as start or does not exist.	NA	422903		3	
SLS	CT-10U SIDE1	Required second if start form is 432003. Not Optional.	NA	432003	Y	1	CT10UH
SLS	CT-10U PART2	Optional only if start form is 432003.	NA	432103		2	
SLS	CT-10U PART2 SUP	Required as start or does not exist.	NA	432203		3	
SLS	CT-10U SIDE1 VENDOR	Required second if start form is 424003. Not Optional.	NA	424003	Y	1	CT10UM
SLS	CT-10U PART2 VENDOR	Optional only if start form is 424003.	NA	424103		2	
SLS	CT-10U PART2 SUP VENDOR	Required as start or does not exist.	NA	424203		3	
SLS	CT-114 Side 1	Required second if start form is 453003. Not Optional.	NA	453003	Y	1	CT114H
SLS	CT-114 Part III		NA	453103		2	

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
KCV-Income	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8200				VP001
KCV-Business	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8201				VP001
K40ES-Flat	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1810				VP001
K40ES-Preprinted	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1820				VP001
K40ES-Software	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1825				VP001
K41V	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8100				VP002
K41V	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8115				VP002
K41ES Web	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8160				VP002
K41ES Vendor	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8170				VP002
ST-36V-Preprinted	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4010				VP004
ST-36V-Flat	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4011				VP004
ST-36V-Software	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4017				VP004
ST-TEL-Flat	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4801				VP004
ST-TEL-Software	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4807				VP004

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
CT-9UV-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4101			VP005
CT-9UV-Preprinted		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4102			VP005
CT-9UV-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4103			VP005
CT-9V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4107			VP005
CT-114V-Preprinted		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4116			VP005
CT-114V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4118			VP005
CT-114V-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4120			VP005
CT-10UV-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4122			VP006
CT-10UV-Preprinted		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4123			VP006
CT-10UV-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4124			VP006
CT-4V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4140			VP006
KBV-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4300			VP006
CT-4LV-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4710			VP006
ST-80V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4055			VP008

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
K120V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1591			VP010
K120V-Software		Vouchers should be listed first in transaction, check(s)/cash receipt after vouchers.	NA	1592			VP010
K120ES-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1830			VP010
K120ES-Preprinted		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1840			VP010
K120ES-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1845			VP010
K130V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1791			VP011
K130V-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1792			VP011
K130ES-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1850			VP011
K130ES-Preprinted		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1860			VP011
K130ES-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	1865			VP011
K-150V-Flat		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	6802			VP012
K-150V-Software		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	6812			VP012
TG-1V	LD-1V Liquor Drink Payment Voucher	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4910			VP401
		Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4935			VP401

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
LBV Liquor Bond Voucher	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4938	VP401			
LE-3V Liquor Enforce Voucher	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	4945	VP401			
PVD Motor Carrier	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8001	VPPVD			
PVD Motor Carrier	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8002	VPPVD			
PVD Motor Carrier	Vouchers should be listed first in transaction, then check(s)/cash receipt after vouchers.	NA	8003	VPPVD			
PVD Motor Carrier	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present, after return.	NA	8004	VPPVD			
CT-10-Flat	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present, after return.	NA	4126	Y	VRCT10F		
CT-3A-Flat	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present, after return.	NA	4131	Y	VRCT3AF		
KW3-Booklet	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present, after return.	NA	5102	Y	VRKW3B		
KW3-Flat	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present, after return.	NA	5101	Y	VRKW3F		
KW3-PayrollVendor	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present, after return.	NA	5104	Y	VRKW3P		
KW3-Software	Voucher return should be a separate separate transaction. Check(s)/cash receipt, if present,	NA	5103	Y	VRKW3S		

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
KW5-Booklet		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	5002	Y		VRKW5B
KW5-Flat		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	5001	Y		VRKW5F
KW5-PayrollVendor		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	5004	Y		VRKW5P
KW5-Software		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	5003	Y		VRKW5S
KW7-Flat		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	5310	Y		VRKW7F
KW7-Software		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	5320	Y		VRKW7S
LD-1 Liquor Drink Tax Return		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4930	Y		VRLD1
LE-3 Liquor Enforcement Tax Return		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4940	Y		VRLE3
ST-16-Flat		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4002	Y		VRST16F
ST-16-Preprinted		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4000	Y		VRST16P
ST-16-Software		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4003	Y		VRST16S
ST-8M-Flat		Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4041	Y		VRST8MF

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
TG-1	Voucher return should be a separate transaction. Check(s)/cash receipt, if present, after return.	NA	4900	Y			VRTG1

TG-1 Voucher return should be a separate transaction.
Check(s)/cash receipt, if present, after return.

Tax Credits

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
K34		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8300			
K35		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8301			
K36		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8302			
K37		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8303			
K47		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8304			
K53		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8305			
K57		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8306			
K59		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8307			
K60		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8308			
K62		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8309			
K64		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8310			
K70		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	8311			
K84		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	Electronic			

Batch Type Code	List of Forms	Required and/or Optional	Tax Year*	Form Number	Start Doc	Page Order	Transaction Type *
K85		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	Electronic			
K88		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	Electronic			
K89		Currently do not have a Form ID but may add for ID and sorting on credit 2018 forms.	NA	Electronic			

Attachment 5 – Reporting

Operator Summary

COMBINATION REPORT Operator Summary 04/10/2018 00:00 to 04/10/2018 23:59										
Operator / Date		Total Time	Keying Time	Rec Cnt	Gross Keystrokes	Net Keystrokes	Error Cnt	Total KSPH	Keyg KSPH	Rec/HR
		====	====	====	====	====	====	====	====	====
Austin.Arb	04/10/2018 -errors	6:07:10	6:07:10	1262	54950	24950	0	8980	4077	206
Cheyann.Bo	04/10/2018 -errors	4:55:01	4:55:01	4158	25892	14234	0	5266	2895	846
Freda.Warf	04/10/2018 -errors	4:04:04	4:04:04	1255	27124	13259	64	6668	3260	309
Marilyn.Ca	04/10/2018 -errors	4:51:56	4:51:51	488	18264	10024	0	3755	2061	100
Mary.Alexa	04/10/2018 -errors	6:15:43	6:15:42	3430	30966	13961	0	1275	4945	2230
Megan.Clar	04/10/2018 -errors	4:12:37	4:12:37	1124	29622	15301	66	7036	3634	267
RVAUCRI	04/10/2018 -errors	:10:47	:10:47	27	494	151	5	2749	840	150
RVCMTNL	04/10/2018 -errors	4:29:49	4:29:49	1173	15884	4924	0	1991	3532	1095
RVCODLJ	04/10/2018 -errors	2:18:11	2:18:11	584	7238	6604	6	3143	2867	254

Operation Detail Listing

Formware Engine Statistics

```
*****
* Formware Engine Statistics
*****
Date/Time:      Tue Apr 10 23:10:04 2018
Number of Batches =          83
Number of Jobs =           12
Seconds Recognizing =       8333.683000
Number of Images =          4230
Number of Processed Fields = 182544
Number of HP Fields =       29764
Number of MP Fields =       120907
Number of MS Fields =       31883
Number of Accepted Fields = 177564
Percentage of Fields Accepted = 97.27
Number of Chars Processed = 279743
Number of Chars Recognized = 270567
Number of Chars Rejected =  9176
Percentage of Chars Recognized = 96.72
Number of HP Chars =         58046
Number of Rejected HP Chars = 1893
Percentage of HP Chars Recognized = 96.74
Number of MP Chars =         189814
Number of Rejected MP Chars = 7283
Percentage of MP Chars Recognized = 96.16
Number of MS Chars =         31883
Number of Rejected MS Chars = 0
Percentage of MS Chars Recognized = 100.00
```

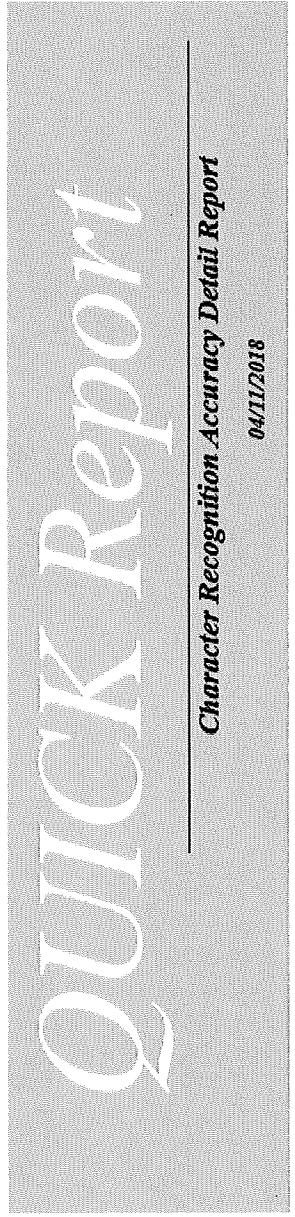
===== Start of job statistics for job (k40H_PT_16) =====

Number of Batches =	
Number of Forms =	1
Seconds Recognizing =	6
Number of Images =	67
Number of Processed Fields =	39
Number of HP Fields =	1279
Number of MP Fields =	76
Number of MS Fields =	981
Number of Accepted Fields =	222
Percentage of Fields Accepted =	1154
Number of Chars Processed =	90.23
Number of Chars Recognized =	2551
Number of Chars Rejected =	2319
Percentage of Chars Recognized =	232
Number of HP Chars =	431
Number of Rejected HP Chars =	22
Percentage of HP Chars Recognized =	94.90
Number of MP Chars =	1898
Number of Rejected MP Chars =	210
Percentage of MP Chars Recognized =	88.94
Number of MS Chars =	222
Number of Rejected MS Chars =	0
Percentage of MS Chars Recognized =	100.00

++++++ Start of Form Statistics for Form (k40H_16) ++++++

Number of Fields =	270
Seconds Recognizing =	18.02
Number of Images =	10
Number of Processed Fields =	270
Number of HP Fields =	20
Number of MP Fields =	170
Number of MS Fields =	80
Number of Accepted Fields =	239
Percentage of Fields Accepted =	88.52
Number of Chars Processed =	702
Number of Chars Recognized =	650
Number of Chars Rejected =	52
Percentage of Chars Recognized =	92.59
Number of HP Chars =	156
Number of Rejected HP Chars =	0
Percentage of HP Chars Recognized =	100.00
Number of MP Chars =	466
Number of Rejected MP Chars =	52
Percentage of MP Chars Recognized =	88.84
Number of MS Chars =	80
Number of Rejected MS Chars =	0
Percentage of MS Chars Recognized =	100.00

Character Recognition Accuracy



Character Recognition Accuracy Detail Report

04/11/2018

	<u>Form Type</u>	<u>Number of Forms Processed</u>	<u>Number of Characters Processed</u>	<u>Number of Characters Successfully Read</u>	<u>Character Accuracy Rate</u>
<i>BackPage</i>					
Current	194	288	288	100.00%	
YTD	212,950	62,666	62,666	100.00%	
<i>CHECK</i>					
Current	180	757	742	98.02%	
YTD	205,175	721,108	719,240	99.74%	
<i>CHECK_R</i>					
Current	174	564	552	97.87%	
YTD	184,086	541,743	540,930	99.83%	